

INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)

ocket Number (Optional)
MSA-021.01 (20974-2101)

Application Number
09/617,720

Applicant
Nicklin et al.

Filing Date
7/17/2000

Group Art Unit
1646 1647

MAY 03 2001

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
FH ↓	AA	5,698,399	12/16/97	Duff et al.	435	6	4/5/96
	AB	5,686,246	11/11/97	Korrmann et al.	435	6	8/3/95
	AC	5,593,826	1/14/97	Fung et al.	435	6	4/16/93
	AD	5,498,531	3/12/96	Jarrell	435	91.31	4/10/93
	AE	5,459,039	10/17/95	Modrich et al.	435	6	3/18/94
	AF	5,328,470	7/12/94	Nabel et al.	604	101	7/26/91
	AG	5,264,564	11/23/93	Matteucci	536	23.1	7/30/90
	AH	5,256,775	10/26/93	Froehler	536	25.6	10/26/93
	AI	5,223,409	6/29/93	Ladner et al.	435	69.7	3/1/91
	AJ	5,198,346	3/30/93	Ladner et al.	435	69.1	7/26/90
	AK	5,176,996	1/5/93	Hogan et al.	436	6	12/22/89
	AL	5,096,815	3/17/92	Ladner et al.	435	69.1	1/6/89
	AM	5,093,246	3/3/92	Cech et al.	435	91	8/3/90
	AN	4,683,195	7/28/87	Mullis et al.	435	6	2/7/86
	AO	4,656,127	4/7/87	Mundy	435	6	4/23/84

		DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
AP	WO 99/24615	5/20/99	PCT	C12N	5/00		
AQ	WO 98/54359	12/3/98	PCT	C12Q	1/68		
AR	WO 98/40517	9/17/98	PCT	C12Q	1/68		
AS	WO 98/15653	4/16/98	PCT	C12Q	1/68		
AT	WO 94/16101	7/21/94	PCT	C12Q	1/68		
AU	WO 92/15694	9/17/92	PCT	C12N	15/85		
AV	WO 91/07660	5/30/91	PCT	G01N	33/53		
AW	WO 91/02087	2/21/91	PCT	C12Q	1/68		
AX	WO 90/11364	10/4/90	PCT	C12P	19/30		
AY	WO 88/09810	12/15/88	PCT	C12N	5/00		
AZ	WO 88/04300	6/16/88	PCT	C07H	17/02		

Form PTO-1449

**INFORMATION DISCLOSURE CITATION
IN AN APPLICATION**

(Use several sheets if necessary)

 Socket Number (Optional)
MSA-021.01 (20974-2101)

 Application Number
09/617,720

 Applicant
Nicklin et al.

 Filing Date
7/17/2000

 Group Art Unit
16407

MAY 03 2001

OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages Etc.)

		Baravaya, K. et al., "Detection of Point Mutations with a Modified Ligase Chain reaction (Gap-LCR)", Nucleic Acids Research 23(4): 675-682 (1995).
FH	BB	Altschul, S. et al., "Basic Local Alignment Search Tool", J. Mol. Biol. 215: 403-410 (1990).
	BC	Arkin, A. and Douglas C. Youvan, "An algorithm for protein engineering: Simulations of recursive ensemble mutagenesis", PNAS 89:7811-7815 (August 1992).
	BD	Barany, Francis, "Genetic disease detection and DNA amplification using cloned thermostable ligase", PNAS 88:189-193 (Jan. 1991).
	BE	Been, M. and Thomas R. Cech, "One Binding Site Determines Sequence Specificity of Tetrahymena Pre-rRNA Self-Splicing, <i>Trans</i> -Splicing, and RNA Enzyme Activity", Cell 47: 207-216 (Oct. 24, 1986).
	BF	Ben-Bassat, A. et al., "Processing of the Initiation Methionine from Proteins: Properties of the <i>Escherichia coli</i> Methionine Aminopeptidase and Its Gene Structure", J. Bacteriology 169(2): 751-757 (Feb. 1997).
	BG	Benoist, C. and Pierre Chambon, "In vivo sequence requirements of the SV40 early promoter region", Nature 290: 304-310 (March 1981).
	BH	Bergers, G. et al., "Alternative promoter usage of the Fos-responsive gene <i>Fit-1</i> generates mRNA isoforms coding for either secreted or membrane-bound proteins related to the IL-1 receptor" EMBO Journal 13(5): 1176-1188 (1994).
	BI	Blakemore, A. et al., "Interleukin-1 receptor antagonist allele (IL1RN*2) associated with nephropathy in diabetes mellitus", Hum. Genet. 97: 369-374 (1996).
	BJ	Blakemore, A. et al., "Interleukin-1 Receptor Antagonist Gene Polymorphism as a Disease Severity Factor in Systemic Lupus Erythematosus", Arthritis & Rheumatism 37: 1380-1385 (Nov. 9, 1994).
	BK	Bornsztyk, K. et al., "Evidence for different interleukin 1 receptors in murine B- and T-cell lines", PNAS 86:8034-8038 (Oct. 1989).
	BL	Borghaei, R. et al., "Induction of Mitogen-Inducible Nuclear Orphan Receptor by Interleukin 1 in Human Synovial and Gival Fibroblasts", Biochem. And Biophys. Res. Comm. 251:334-338 (1998).
	BM	Born, T. et al., "Cloning of a Novel Receptor Subunit, AcPL, Required for Interleukin-18 Signaling", J. of Biol. Chem. 273 (45): 29445-29450 (Nov. 6, 1998).
	BN	Bradley, A. and Elizabeth Robertson, "Embryo-Derived Stem Cells: A Tool for Elucidating the Developmental Genetics of the Mouse", Curr. Topics in Dev. Biol. 20: 357-371 (1986).
	BO	Bradley, A. et al., "Formation of germ-line chimaeras from embryo-derived tetracarcinoma cell lines", Nature 309: 255-256 (May 17, 1964).
	BP	Brinster, R. et al., "Regulation of metallothionein-thymidine kinase fusion plasmids injected into mouse eggs", Nature 296: 39-42 (March 4, 1982).

from H and 2/19/03

Form PTO-1449

INFORMATION DISCLOSURE CITATION

IN AN APPLICATION
(Use several sheets if necessary)

Pocket Number (Optional)

MSA-021.01 (20974-2101)

Application Number

09/617,720

Applicant

Nicklin et al.

Filing Date

7/17/2000

Group Art Unit

1646-1647

MAY 03 2001

PATENT & TRADEMARK OFFICE

Butler, J. E., "The Amplified ELISA: Principles of and Applications for the Comparative Quantitation of Class and Subclass Antibodies and the Distribution of Antibodies and Antigens in Biochemical Separates", Meth. In Enzymol. 73: 482-523 (1981).

BO

BR

BS

BT

BU

BV

BW

BX

BY

BZ

CA

CB

CC

CD

CE

CF

CG

Busfield, S. et al., "Identification and Gene Organization of Three Novel Members of the IL-1 Family on Human Chromosome 2", Genomics 66:213-216 (2000).

Carrié, A. et al., "A new member of the IL-1 receptor family highly expressed in hippocampus and involved in X-linked mental retardation", Nature Genetics 23: 25-31 (September 1999).

Chen, S., "Gene therapy for brain tumors: Regression of experimental gliomas by adenovirus-mediated gene transfer *in vivo*", PNAS 91: 3054-357 (April 1994).

Chumakov, I., "A YAC contig map of the human genome", Nature 377 (Supp): 175-183 (Sept. 1995).

Clay, F., "Novel interleukin-1 receptor antagonist exon polymorphisms and their use in allele-specific mRNA assessment", Hum. Genet. 97: 723-726 (1996).

Cohen, A. et al., "Emerging Technologies for Sequencing Antisense Oligonucleotides: Capillary Electrophoresis and Mass Spectrometry", Adv in Chrom. 36: 128-162 (1995).

Colotta, F. et al., "Rapid Killing of Actinomycin D-treated Tumor Cells By Human Mononuclear Cells", J. of Immunol. 132 (2):936-944 (February 1984).

Cotton, R. G. H., "Current Methods of Mutation Detection", Mutation Res. 285: 125-144 (1993).

Cotton, R. G. H. et al., "Reactivity of cytosine and thymine in single-base-pair mismatches with hydroxylamine and osmium tetroxide and its application to the study of mutations", PNAS 85: 4397-4401 (June 1998).

Cwirla, S. et al., "Peptides on phage: A vast library of peptides for identifying ligands", PNAS 87: 6378-6382 (August 1990).

Dammann, O. and Alan Leviton, "Maternal Intrauterine Infection, Cytokines, and Brain Damage in the Preterm Newborn", Pediatric res. 42(1): 1-8 (1997).

Dann, J. G. et al., "Human Renin: A New Class of Inhibitors", Biochem. And Biophys. Res. Comm. 134 (1):71-77 (January 14, 1986).

Dev, S. B. and G A. Hofmann, "Electrochemotherapy-a novel method of cancer treatment", Cancer Treatment Rev. 20: 105-115 (1994).

Devlin, J. et al, "Random Peptide Libraries: A Source of Specific Protein Binding Molecules", Science 249: 404-406 (July 27, 1990).

Dinarello, C., "Interleukin-1", Cytokine & Growth Factor Reviews 8(4):253-265 (1998).

Doetschman, T. et al., "The *in vitro* development of blastocyst-derived embryonic stem cell lines: formation of visceral yolk sac, blood islands, and myocardium", J. Embryol. 87: 27-45 (1985).

For Hand 2/19/03

Form PTO-1449

INFORMATION DISCLOSURE CITATION

IN AN APPLICATION
(Use several sheets if necessary)

Pocket Number (Optional)

MSA-021.01 (20974-2101)

Application Number

09/617,720

Applicant

Nicklin et al.

Filing Date

7/17/2000

Group Art Unit

1646 1647

MAY 03 2001

PATENT & TRADEMARK OFFICE

CH Egholm, M. et al., "PNA hybridizes to complementary oligonucleotides obeying the Watson-Crick hydrogen-bonding rules", Nature 365: 566-568 (October 7, 1993).

CI Ellison, M. and Mark Hochstrasser, "Epitope-tagged Ubiquitin", J. of Biol. Chem. 266(31):21150-21157 (1991).

CJ Evans, D. et al., "An engineered poliovirus chimaera elicits broadly reactive HIV-1 Neutralizing antibodies", Nature 339: 385-388 (June 1, 1989).

CK Ewenson, A. et al., "Ketomethylene Pseudopeptide Analogues of Substance P: Synthesis and Biological Activity" J. Med. Chem. 29: 295-299 (1986).

CL Feng, D. and Russell F. Doolittle, "Progressive Sequence Alignment as a Prerequisite to Correct Phylogenetic Trees", J. Mol. Evol. 25: 351-360 (1987).

CM Futreal, P. A. et al., "Isolation of a diverged homeobox gene, MOX1, from the BRCA1 region on 17q21 by solution hybrid capture", Hum. Mol. Genet. 3(8): 1359-1364 (1994).

CN Gabay, C. et al., "Interleukin 1 Receptor Antagonist (IL-1Ra) is an Acute-Phase Protein", J. Clin. Invest. 99(12): 2930-2940 (June 1997).

CO Gautier, C. et al., " α -DNA IV: β -anomeric tetrathymidylates covalently linked to intercalating oxazolopyridocarbazole. Synthesis, physiochemical properties and poly (rA) binding", Nucl. Acids Res. 15(16): 6625-6641 (1987).CP Ghanshani, S. et al., "Human Calcium-Activated Potassium Channel Gene *KCNN4* Maps to Chromosome 19q13.2 in the Region Deleted in Diamond-Blackfan Anemic", Genomics 51:160-161 (1998).

CQ Gibbs, R. et al., "Detection of single DNA base differences by competitive oligonucleotide priming", Nucl. Acids Res. 17(7): 2437-2448 (1989).

CR Stein, C. A. et al., "Physiochemical properties of phosphorothioate oligodeoxynucleotides", Nucl. Acids Res. 16(8): 3209-3221 (1988).

CS Gordon, E. M. et al., "Design of Peptide Derived Amino Alcohols as Transition-State Analog Inhibitors of Angiotensin Converting Enzyme", Biochem. and Biophys. Res. Comm. 126(1): 419-426 (January 16, 1985).

CT Habig, W. et al., "Gluthathione S-Transferases", J. of Biol. Chem. 249(22): 7130-7139 (Nov. 24, 1974).

CU Hayashi, K., "PCR-SSCP: A Method for Detection of Mutations", GATA 9(3): 73-79 (1992).

CV Helene, C., "The anti-gene strategy: control of gene expression by triplex-forming-oligonucleotides", Anti-Cancer Drug Design 6: 569-584 (1991).

CW Helene, C. et al., "Control of Gene Expression by Triple Helix-Forming Oligonucleotides", Ann. NY Acad. Sci. 660: 27-36 (1992).

CX Hildebrandt, F. et al., "Physical mapping of the gene for juvenile nephronophthisis (NPH1) by construction of a complete YAC contig of 7 Mb on chromosome 2q13", Cytogenet. Cell Genet. 73: 235-239 (1996).

Don Hand 2/19/03

Form PTO-1449

**INFORMATION DISCLOSURE CITATION
IN AN APPLICATION**

(Use several sheets if necessary)

 Pocket Number (Optional)
MSA-021.01 (20974-2101)

 Application Number
09/617,720

 Applicant
Nicklin et al.

 Filing Date
7/17/2000

 Group Art Unit
1646 1647

MAY 03 2001

 Hoshino, T. et al., "Nucleotide sequence of *Bacillus subtilis* dna: A gene essential for DNA replication initiation and membrane attachment", PNAS 84: 653-657 (February 1987).

 CZ Huang, C. et al., "Vaccinia Virus Recombinants Expressing an 11-Kilodalton β -Galactosidase Fusion Protein Incorporate Active β -Galactosidase in Virus Particles", J. of Virology 62(10): 3855-3861 (Oct. 1998).

DA Hsu, I. Et al., "Detection of DNA point mutations with DNA mismatch repair", Carcinogenesis 15(8): 1657-1662 (1994).

DB Ike, Y. et al., "Solid phase synthesis of polynucleotides. VIII. Synthesis of mixed oligodeoxyribonucleotides by the phosphotriester solid phase method", Nucl. Acids Res. 11(2): 477-488 (1983).

DC Inoue, H. et al., "Synthesis and hybridization studies on two complementary nona(2'-O-methyl)ribonucleotides", Nucl. Acids Res. 15(15): 6131-6148 (1987).

 DD Ioffe, E. et al., "WW⁺: An embryonic ste cell line with an inert genetic marker that can be traced in chimeras", PNAS 92: 7357-7361 (August 1995).

 DE Itakura, K. et al., "Expression in *Escherichia coli* of a Chemically Synthesized Gene for the Hormone Somatostatin", Science 198: 1056-1063 (Dec. 9, 1977).

DF Itakura, K. et al., "Synthesis and Use of Synthetic Oligonucleotides", Ann Rev. Biochem 53: 323-356 (1984).

DG Kohler, G. and C. Milstein, "Continuous cultures of fused cells secreting antibody of predefined specificity", Nature 256: 495-497 (Aug. 7, 1975).

DH Kohler, P. and William E. Bridson, "Isolation of Hormone-producing Clonal Lines of Human Choriocarcinoma", J. of Clin. Endocrin. And Metab. 32: 683-687 (May 1971).

 DI Konishi, K. et al., "A simple and sensitive bioassay for the detection of human interleukin-18 / interferon- γ -inducing factor using human myelomonocytic KG-1 cells", J. of Immunol. Meth. 209: 187-191 (1997).

DJ Korherr, C. et al., "A critical role for interleukin-1 receptor accessory protein in interleukin-1 signaling", Eur. J. Immunol. 27: 262-267 (1997).

DK Kornher, S. and Kenneth J. Livak, "Mutation detection using nucleotide analogs that alter eletrophoretic mobility", Nucl. Acids Res. 17(19): 7779-7783 (1989).

DL Kozbor, D. and John C. Roder, "The Production of monoclonal antibodies from human lymphocytes", Immunol. Today 4(3): 72-72 (1983).

DM Kuppaswamy, M. et al., "Single nucleotide primer extension to detect genetic diseases: Experimental application to hemophilia B (factor IX) and cystic fibrosis genes", PNAS 88: 1143-1147 (Feb. 1991).

DN Landegren, U. et al., "A Ligase-Mediated Gene Detection Technique", Science 241: 1077-1080 (Aug. 26, 1988).

DO Lang, D. et al., "The Type II IL-1 Receptor Interacts with the IL-1 Receptor Accessory Protein: A Novel Mechanism of Regulation of IL-1 Responsiveness", J. of Immunol. 161: 6871-6877 (1988).

From [Signature] 2/19/03

Form PTO-1449

INFORMATION DISCLOSURE CITATION

IN AN APPLICATION
(Use several sheets if necessary)

Pocket Number (Optional)

MSA-021.01 (20974-2101)

Application Number

09/617,720

Applicant

Nicklin et al.

Filing Date

7/17/2000

Group Art Unit

1646 1647

PATENT & TRADEMARK OFFICE	DP	Larson, M. and Esma Isenovic, "Interleukin-1 β Regulation of Inducible Nitric Oxide Synthase and Cyclooxygenase-2 Involves the p42/44 and p38 MAPK Signaling Pathways in Cardiac Myocytes", Hypertension 33(part 2): 276-282 (1999).
Fh	DQ	Letsinger, R. et al., "Cholesteryl-conjugated oligonucleotides: Synthesis, properties, and activity as inhibitors of replication of human immunodeficiency virus in cell culture", PNAS 86: 6553-6556 (Sept. 1989).
	DR	Lennon, G. et al., "The I.M.A.G.E. Consortium: An Integrated Molecular Analysis of Genomes and their Expression", Genomics 33: 151-152 (1996).
	DS	Li, Z. et al., "The IKK β Subunit of Ik Kinase (IKK) is Essential for Nuclear Factor κ B Activation and Prevention of Apoptosis", J. Exp. Med. 198(11): 1839-1845 (June 7, 1999).
	DT	"Maher, L., "DNA Triple-Helix Formation: An Approach to Artificial Gene Repressors?", BioEssays 14(12): 807-815 (Dec. 1992).
	DU	Mansfield, J. et al., "Novel Genetic Association Between Colitis and the Anti-inflammatory Cytokine Interleukin-1 Receptor Antagonist", Gastroenterology 106: 637-642 (1994).
	DV	Merika, M. and Stuart H. Orkin, "DNA-Binding Specificity of GATA Family Transcription Factors", Mol. Cell. Biol. 13(&): 3999-4010 (July 1993).
	DW	Miller, C. et al., "N-terminal methionine-specific peptidase in <i>Salmonella typhimurium</i> ", PNAS 84: 2718-2722 (May 1987).
	DX	<i>Molecular Cloning: A Laboratory Manual</i> (Chapter 16), 2 nd Ed., ed. By Sambrook, Fritsch, and Maniatis, Cold Spring Harbor Laboratory Press (1989).
	DY	<i>Molecular Cloning: A Laboratory Manual</i> (Chapter 17), 2 nd Ed., ed. By Sambrook, Fritsch, and Maniatis, Cold Spring Harbor Laboratory Press (1989).
	DZ	Molnar, A. and Katia Georgopoulos, "The Ikaros Gene Encodes a Family of Functionally Diverse Zinc Finger DNA-Binding Proteins", Mol. Cell. Biol. 14(12): 8292-8303 (Dec. 1994).
	EA	Morgan, J. et al., "The selective isolation of novel cDNAs encoded by the regions surrounding the human interleukin 4 and 5 genes", Nucl. Acids Res. 20(19): 5173-5179 (1992).
	EB	Mulero, J. et al., "IL1HY1: A Novel Interleukin-1 Receptor Antagonist Gene", Biochem. and Biophys. Res. Comm. 263: 702-706 (1999).
	EC	Myers, R. et al., "Detection of Single Base Substitutions by Ribonuclease Cleavage at Mismatches in RNA:DNA Duplexes", Science 230: 1242-1246 (Dec. 13 1985).
	ED	Myers, R. et al., "Detection of Single Base Substitutions in Total Genomic DNA", Nature 313: 495-498 (Feb. 7, 1985).
	EE	Nagai, U. and Kazuki Sato, "Synthesis of a Bicyclic Dipeptide with the Shape of β -Turn Central Part", Tetrahedron Letters 26(5): 647-650 (1985).
↓	EF	Nakazawa, H. et al., "UV and skin cancer: Specific p53 gene mutation in normal skin as a biologically relevant exposure measurement", PNAS 91: 360-364 (Jan. 1994).

20/453135.1

Done Hand

2/19/23

Form PTO-1449

**INFORMATION DISCLOSURE CITATION
IN AN APPLICATION**

(Use several sheets if necessary)

 Socket Number (Optional)
MSA-021.01 (20974-2101)

 Application Number
09/617,720

 Applicant
Nicklin et al.

 Filing Date
7/17/2000

 Group Art Unit
1646 1647

MAY 03 2001

EG

Narang, S., "DNA Synthesis", Tetrahedron 39(1): 3-22 (1983).

EH

Nardelli, B. et al., "A Chemically Defined Synthetic Vaccine Model for HIV-1", J. of Immunol. 3: 914-920 (Feb. 1, 1992).

EI

Needleman, S. and Christian D. Wunsch, "A General Method Applicable to the Search for Similarities in the Amino Acid Sequence of Two Proteins", J. Mol. Biol. 48: 443-453 (1970).

EJ

Nickerson, D. et al. "Automated DNA diagnostics using an ELISA-based oligonucleotide ligation assay", PNAS 87: 8923-8927 (Nov. 1990).

EK

Nicklin, M. et al., "A Physical Map of the Region Encompassing the Human Interleukin-1 α , Interleukin-1 β , and Interleukin-1 Receptor Antagonist Genes", Genomics 19: 382-384 (1994).

EL

Nothwang, H. et al., "Molecular Cloning of the Interleukin-1 Gene Cluster: Constriction of an Integrated YAC/PAC Contig and a Partial Transcriptional Map in the Region of Chromosome 2q13", Genomics 41: 370-378 (1997).

EM

Orita, M. et al., "Detection of polymorphisms of human DNA by gel electrophoresis as single-strand conformation polymorphisms", PNAS 86: 2766-2770 (April 1989).

EN

Pellacani, A. et al., "Induction of High Mobility Group-1(Y) Protein by Endotoxin and Interleukin-1 β in Vascular Smooth Muscle Cells", J. Biol. Chem. 274(3): 1525-1532 (1999).

EO

Penton-Rol, G. et al., "Bacterial Lipopolysaccharide Causes Rapid Shedding, Followed by Inhibition of mRNA Expression, of the IL-1 Type II receptor, With Concomitant Up-Regulation of the Type I Receptor and Induction of Incompletely Spliced Transcripts", J. Immunol. 162: 2931-2938 (1999).

EP

Perry-O'Keefe, H. et al., "Peptide nucleic acid pre-gel hybridization: An Alternative to Southern Hybridization", PNAS 93: 14670-14675 (Dec. 1996).

EQ

Posnett, D. et al., "A Novel Method for Producing Anti-peptide Antibodies", J. Biol. Chem. 263(4): 1719-1725 (Feb. 1988).

ER

Prosser, J., "Detecting Single-Base Mutations", Tibtech 11: 238-246 (June 1993).

ES

Reikerstorfer, A. et al., "Low Affinity Binding of Interleukin-1 β and Intracellular Signaling via NF- κ B Identify IT01 as a Distant Member of the Interleukin-1 Receptor Family", J. Biol. Chem. 270(30): 17645-17648.

ET

Roberts, B. et al., "Directed evolution of a protein: Selection of potent neutrophil elastase inhibitors displayed on M13 fusion phage", PNAS 89: 2429-2433 (March 1992).

EU

Roest, P. et al., "Protein truncation test (PTT) for rapid detection of translation-terminating mutations", Hum. Mol. Genet. 2(10): 1719-1721 (1993).

EV

Rohn, W. et al., "IL-1 β Inhibits IFN- γ -Induced Class II MHC Expression by Suppressing Transcription of the Class II Transactivator Gene", J. Immunol. 192: 886-896 (1999).

EW

Saiki, R. et al., "Analysis of enzymatically amplified β -globin and HLA-DQ α DNA with allele-specific oligonucleotide probes", Nature 324: 163-166 (Nov. 13, 1986).

20/453135.1

Pena Bond 2/19/03

Form PTO-1449

INFORMATION DISCLOSURE CITATION

IN AN APPLICATION

(Use several sheets if necessary)

Pocket Number (Optional)

MSA-021.01 (20974-2101)

Application Number

09/617,720

Applicant

Nicklin et al.

Filing Date

7/17/2000

Group Art Unit

1646 1647

MAY 03 2001

S. R. et al., "Genetic analysis of amplified DNA with immobilized sequence-specific oligonucleotide probes", PNAS 86: 230-6234 (Aug. 1989).

EX

EY

EZ

FA

FB

FC

FD

FE

FF

FG

FH

FI

FJ

FK

FL

FM

FN

Saleeba, J. and Richard G.H. Cotton, "Chemical Cleavage of Mismatch to Detect Mutations", Meth. In Enzymol. 217: 26-295 (1993).

Sarin, P. et al., "Inhibition of acquired immunodeficiency syndrome virus by oligodeoxynucleoside methylphosphonates", PNAS 85: 7448-7451 (Oct. 1988).

Sarver, N. et al., "Ribozymes as Potential Anti-HIV-1 Therapeutic Agents", Science 247: 1222-1225 (March 9, 1990).

Scott, J. et al., "Searching for Peptide Ligands with an Epitope Library", Science 249:386-390 (July 27, 1990).

Schlienger, K. et al., "Human Immunodeficiency Virus Type 1 Major Neutralizing Determinant Exposed on Hepatitis B Surface Antigen Particles Is Highly Immunogenic in Primates", J. Virol. 66(4): 2570-2576 (Apr. 1992).

Schpaer, E., "GeneAssist: Smith-Waterman and Other Database Similarity Searches and Identification of Motifs", Meth. Mol. Biol. 70: 173-187 (1997).

Schultz, J. et al., "SMART, a simple modular architecture research tool: Identification of signaling domains", PNAS 95: 5857-5864 (May 1998).

Sims, J. et al., "cDNA Expression Cloning of the IL-1 Receptor, a Member of the Immunoglobulin Superfamily", Science 241: 585-589 (July 28, 1988).

Sizemore, N. et al., "Activation of Phosphatidylinositol 3-Kinase in Response to Interleukin-1 Leads to Phosphorylation and Activation of THE NF- α B P65/RelA Subunit", Mol. Cell. Biol. 19(7): 4798-4805 (July 1999).

Smith, D. et al., "Four New Members Expand the Interleukin-1 Superfamily", J. Biol. Chem. 275(2):1169-1175 (Jan. 14, 2000).

Smith, T. et al., "Comparison of Biosequences", Adv. Appl. Math. 2:482-489 (1981).

Smithies, O. et al., "Insertion of DNA sequences into the human chromosomal β -globin locus by homologous recombination", Nature 317: 230-234 (Sept. 19, 1985).

Sokolov, B., "Primer extension technique for the detection of single nucleotide in genomic DNA", Nucl. Acids Res. 18(12): 3671 (1990).

Sozzani, S. et al., "Receptor Expression and Responsiveness of Human Dendritic Cells to a Defined Set of CC and CXC Chemokines", J. of Immunol. 159: 1993-2000 (1997).

Stein, C. A. and Jack S. Cohen, "Oligodeoxynucleotides as Inhibitors of Gene Expression: A Review" Cancer Research 48: 2659-2668 (1988).

Studier, F. et al., "Use of T7 RNA Polymerase to Direct Expression of Cloned Genes", Meth. In Enzymol 185: 60-89 (1990).

20/453135.1

for hand 2/19/03

Form PTO-1449

**INFORMATION DISCLOSURE CITATION
IN AN APPLICATION**
(Use several sheets if necessary)

 Pocket Number (Optional)
MSA-021.01 (20974-2101)

 Application Number
09/617,720

 Applicant
Nicklin et al.

 Filing Date
7/17/2000

 Group Art Unit
1646-1647

Syonen, A. et al., "Identification of Individuals by Analysis of Biallelic DNA Markers, Using PCR and Solid-Phase Minisequencing", Am. J. Hum. Genet. 52: 46-59 (1993).

Taylor, J. et al., "Polymorphism in human IL-1 receptor antagonist gene intron 2 is caused by variable numbers of an 86-bp tandem repeat", Hum. Genet. 91: 403-404 (1993).

Thomas, K. and Mario R. Capecchi, "Site-Directed Mutagenesis by Gene Targeting in Mouse Embryo-Derived Stem Cells", Cell 51: 503-512 (Nov. 6, 1987).

Thomassen, E. et al., "Binding of Interleukin-18 to the Interleukin-1 Receptor Homologous Receptor IL-1Rrp1 Leads to Activation of Signaling Pathways Similar to Those Used by Interleukin-1", J. of Interferon and Cytokine Res. 18: 1077-1088 (1998).

Thompson, S. et al., "Germ Line Transmission and Expression of a Corrected HPRT Gene Produced by Gene Targeting in Embryonic Stem Cells", Cell 56: 313-321 (Jan. 27, 1989).

Thorstenson, Y. et al., "Leaderless Polypeptides Efficiently Extracted from Whole Cells by Osmotic Shock", J. Bacteriol. 179(17): 5333-5339 (Sept. 1997).

Tobe, V. et al., "Single-well genotyping of diallelic sequence variations by a two-color ELISA-based oligonucleotide ligation assay", Nucl. Acids. Res. 24(19): 3728-3732 (1996).

Torigoe, K. et al., "Purification and Characterization of the Human Interleukin-18 Receptor", J. Biol. Chem. 272(41): 25737-25742 (October 10, 1997).

Van der Krol, A. et al., "Modulation of Eukaryotic Gene Expression by Complementary RNA or DNA Sequences", BioTechniques 6(10): 958-976 (1988).

Van der Lijft, R. et al., "Rapid Detection of Translation-Terminating Mutations at the Adenomatous Polyposis Coli (API) Gene by Direct Protein Truncation Test", Genomics 20:1-4 (1994).

Voller, A. et al., "Enzyme immunoassays with special reference to ELISA techniques", J. of Clin. Pathol. 31: 507-520 (1978).

Wagner, M. et al., "Nucleotide sequence of the thymidine kinase gene of herpes simplex virus type 1", PNAS 78(3): 1441-1445 (March 1981).

Wagner, R., "Gene inhibition using antisense oligodeoxynucleotides", Nature 372: 333-335 (Nov. 24, 1994).

Wilson, I. Et al., "The Structure of an Antigenic Determinant in a Protein", Cell 37: 767-778 (July 1984).

Zahedi, K. et al., "Mouse IL-1 Receptor Antagonist Protein: Molecular Characterization, Gene Mapping, and Expression of mRNA in Vivo and in Vito", J. of Immunol. 146(12): 4228-4233 (June 15, 1991).

 Zaug, A. and Thomas R. Cech, "The Intervening Sequence RNA of *Tetrahymena* Is an Enzyme", Science 231:470-475 (Jan. 31, 1986).

Zaug, A. et al., "A Labile Phosphodiester Bond at the Ligation Junction in a Circular Intervening Sequence RNA", Science 224: 574-578 (may 11, 1984).

Pona

Hand

2/19/03

Form PTO-1449

**INFORMATION DISCLOSURE CITATION
IN AN APPLICATION**
(Use several sheets if necessary)

Docket Number (Optional)

MSA-021.01 (20974-2101)

Application Number

09/617,720

Applicant

Nicklin et al.

Filing Date

7/17/2000

Group Art Unit

~~1646~~ 1647Zaug, A. et al., "The *Tetrahymena* ribozyme acts like an RNA restriction endonuclease", Nature 324: 429-433 (Dec. 4, 1986).

Cyberstein, A. et al., "Structure and expression of cDNA and genes for human interferon-beta-2, a distinct species inducible by growth-stimulatory cytokines", EMBO J. 5(10):2529-2537 (1986).

OIP E
F17
MAY 03 2001
FH

GF

COR

PATENT & TRADEMARK OFFICE

Ana H... 2/19/03

Form PTO-1449

**INFORMATION DISCLOSURE CITATION
IN AN APPLICATION**
(Use several sheets if necessary)

 Pocket Number (Optional)
 MSA-021.01 (20974-2101)

 Application Number
 09/617,720

 Applicant
 Nicklin et al.

 Filing Date
 July 17, 2000

 Group Art Unit
 1646

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
GH	5,837,495	11/17/98	Colotta et al.	435	69.1	08/13/97

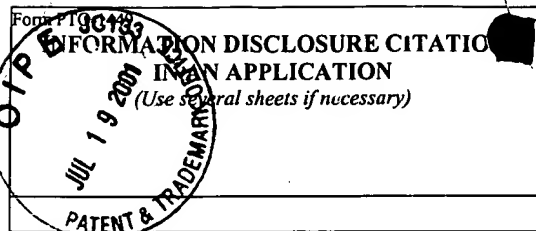
FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
GI	WO 95/35304	12/28/95	PCT				X
GJ	WO 98/44150	10/08/98	PCT				X
GK	WO 98/530 54	11/26/98	PCT				X

OTHER DOCUMENTS
(Including Author, Title, Date, Pertinent Pages Etc.)

EXAMINER	<i>Don Hand</i>	DATE CONSIDERED 2/19/03

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.



File copy

Docket Number (Optional)
MSA-021.01 (20974-2101)

#7

Application Number
09/617,720

Applicant
Nicklin et al.

Filing Date
July 17, 2000

Group Art Unit
1646

Sheet Page 1 of 1
JUL 20 2101
TECH CENTER 1600/1600
RECEIVED

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
FH ↓	HA	WO 99/35268	7/15/99	PCT			X
	HB	WO 98/47921	10/29/98	PCT			X
	HC	WO 00/20595	4/13/00	PCT			X
	HD	WO 00/39297	7/6/00	PCT			X
	HE	WO 00/08045	2/17/00	PCT			X
	HF	WO 99/51744	10/14/99	PCT			X

OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages Etc.)

EXAMINER

Sam Hamd

DATE CONSIDERED

3/05/02

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.